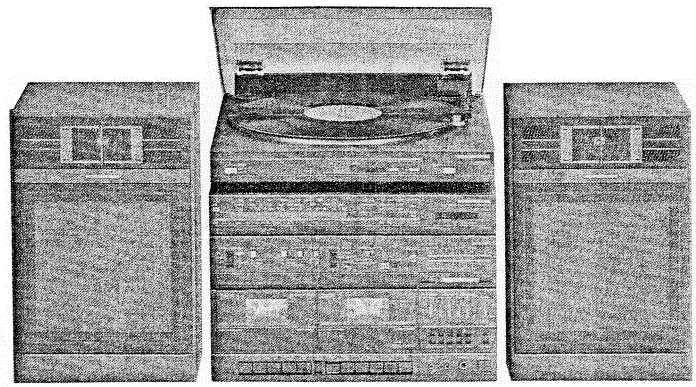
# TECHNISCHER KUNDENDIENST

## Service-Information



## Midi Compact

**MS 3000 987.133 H**
**RP 3000 987.180 H**

NORDMENDE

DOLBY SYSTEM ® under LICENCE from DOLBY laboratories

Btx- ✱458518 #

### Technical data · Caractéristiques principales · Technische Daten
### Caracteristicas del aparato · Dati tecnici

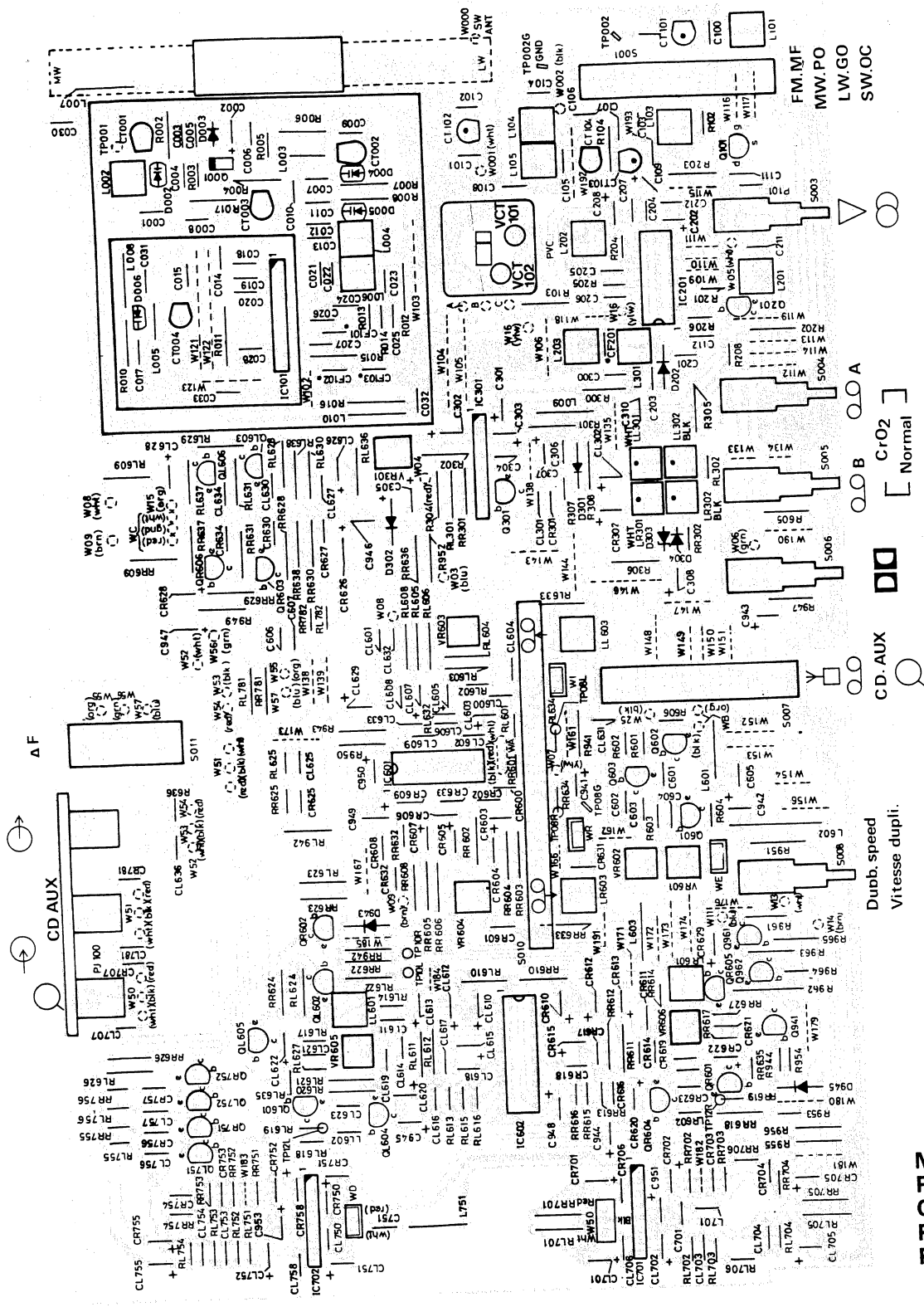
| | |
|---|---|
| **Type of set:** Double cassette radio recorder/Record player<br>**Type d'appareil:** Combiné radio-bicassette/Tourne-disque<br>**Geräteart:** Plattenspieler – Radio-Doppel-Cassette<br>**Tipo de aparato:** Radio bicassette tocadiscos<br>**Tipo d'apparecchio:** Insieme radio bicassetta giradischi | 350mm ↕ 104mm ↗ 340mm 2,5kg<br>355mm 340mm 235mm 5,8kg |
| **Power supply :**<br>**Alimentation :**<br>**Stromversorgung :**<br>**Alimentación :**<br>**Alimentazione :** 220 V/50 Hz | **Nominal output power:**<br>**Puissance nominale de sortie:**<br>**Nominale Ausgangsleistung:** 2 x 13W Zs = 8Ω<br>**Potencia nominal de salida:** f = 1 kHz d = 10 %<br>**Potenzia nominale di uscita:** |
| **Frequency response :**<br>**Courbe de réponse :**<br>**Frequenzgang :**<br>**Curva de respuesta :**<br>**Curva di risposta :**<br>20 Hz - 20 kHz<br>80 Hz - 13 kHz | **Signal to noise ratio :**<br>**Rapport signal/bruit :**<br>**Geräuschspannungsabstand :**<br>**Relación señal/ruido :**<br>**Rapporto segnale/disturbo :**<br>40 dB<br>48 dB<br>57 dB DOLBY |
| **FM-MF** : 87,5 - 108 MHz<br>**MW-PO** : 525 - 1620 kHz<br>**LW-GO** : 148 - 284 kHz<br>**SW-OC** : 5,8 - 18 MHz<br>**FM-FI** : 10,7MHz<br>**AM-FI** : 455kHz | **Selectivity:**<br>**Selectivité:**<br>**Trennschärfe:**<br>**Selectividad:**<br>**Selettivita:**<br>**FM** : 24 dB + 300 kHz<br>**AM** : 40 dB + 9 kHz |
| **Sensitivity :**<br>**Sensibilité :**<br>**Empfindlichkeit :**<br>**Sensibilidad :**<br>**Sensibilità :**<br>**LW-GO** : 700 µV/m<br>**MW-PO** : 450 µV/m } S/N = 20dB<br>**FM-MF** : 2 µV (S/N = 26dB ΔF = 40 kHz) ▽<br>**SW-OC** : 30 µV (f = 6 MHz) | **System :**<br>**Type de cellule :**<br>**Tonabnehmersystem :**<br>**Tipo de capsula :**<br>**Tipo de cellula :**<br>magnetic |
| **Wow and flutter :**<br>**Fluctuations :**<br>**Gleichlauf :**<br>**Fluctuaciones :**<br>**Fluttuazioni :**<br>0,15 %<br>0,3 % | << ▷ ▷ >> << ◁ ◁ >> C 60 120 S |

NORDMENDE

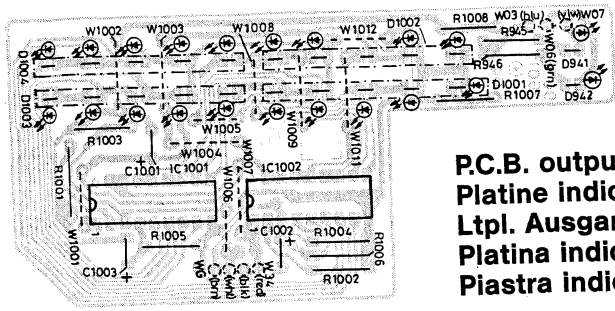
These instructions are for service dealers only · Subject to modification · Ces indications et instructions sont destinées exclusivement au service du commerce spécialisé · Modifications résérvées · Diese Angaben und Hinweise sind ausschließlich für den Service des Fachhändlers bestimmt · Änderungen vorbehalten · Estos datos e instrucciones son destinados exclusivamente al servicio técnico del revendedor · Salvo modificación · Questi dati e queste istruzioni sono riservati ai tecnici del servizio assistenza · Con riserva di modifiche

37-01 CRK 1529/TLC903

968TX1603




**Main P.C.B.**
**Platine principale**
**Grundplatte**
**Platina principal**
**Piastra principale**



**P.C.B. output level**
**Platine indicateur de niveau**
**Ltpl. Ausgangsleistungsanzeige**
**Platina indicador de nivel**
**Piastra indicatore del livello**

Component side
Côté composants
Bestückungsseite
Lado componentes
Lato componenti

## AM Alignment

| | | Gf | f | | | |
|---|---|---|---|---|---|---|
| IF FI ZF | 1 | Ve>10 - 100mV | 455kHz | | L203 | TP05 max |
| | 2 | | | | L201 | |
| | | | | | | |
| MW PO | 3 | Ve>500µV/m | 520kHz | | L104 | TP04 max |
| | 4 | | 1620kHz | | VCT102 | |
| | 5 | | 600kHz | 600kHz | | |
| | 6 | | 1400kHz | 1400kHz | VCT101 | |
| LW GO | 7 | Ve >850µV/m | 145kHz | | L105 | max |
| | 8 | | 290kHz | | CT104 | |
| | 9 | | 170kHz | 170kHz | | |
| | 10 | | 270kHz | 270kHz | CT102 | |
| SW OC | 11 | Ve>100µV | 5,8MHz | | L103 | max |
| | 12 | | 18,3MHz | | CT103 | |
| | 13 | | 6,2MHz | 6,2MHz | L101 | |
| | 14 | | 16MHz | 16MHz | CT101 | |

## FM Alignment

| | | Gf | f | | | |
|---|---|---|---|---|---|---|
| IF FI ZF | 1 | Gf >10mV | 10,7MHz | | L202 | TP05 =10,7MHz max.symetrie |
| | 2 | | | | L006 | |
| | | 2pF TP02 | | | | |
| FM MF | 2 | Gf >10µV | 87,5MHz | | L005 | max |
| | 3 | | 108MHz | | CT004 | |
| | 4 | Δf =22,5kHz | 90MHz | 90MHz | L002,003,004 | |
| | 5 | | 106MHz | 106MHz | CT001,002,003 | |

## STEREO DECODER

| | Gf | f | | | Hz |
|---|---|---|---|---|---|
| 1 | Ve>10µV | 98MHz | 98MHz | VR301 | TP06 F=76kHz |

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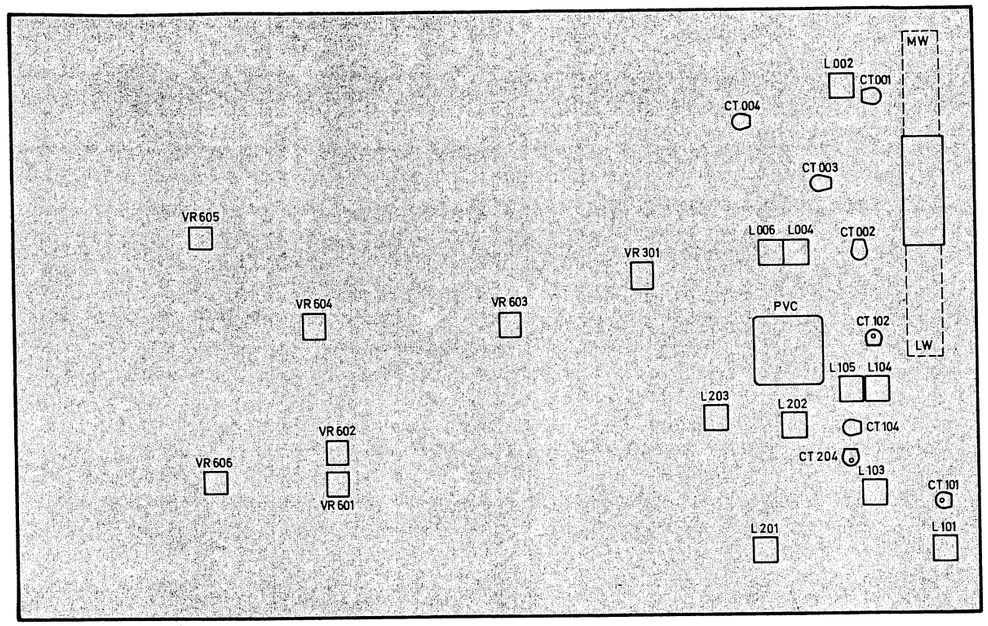
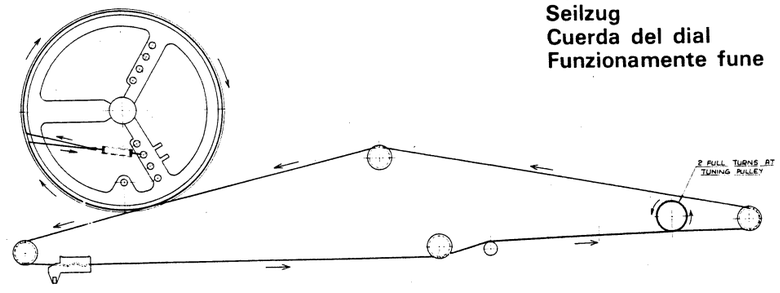
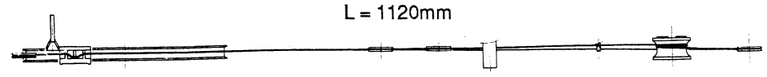
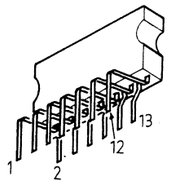
NORDMENDE



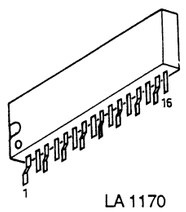

**Cord drive**
**Cordonnet d'entraînement**
**Seilzug**
**Cuerda del dial**
**Funzionamente fune**



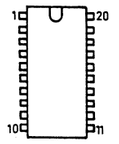



TDA 1515A

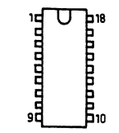



LA 1170

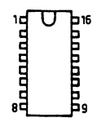
18 (V) 10MΩ



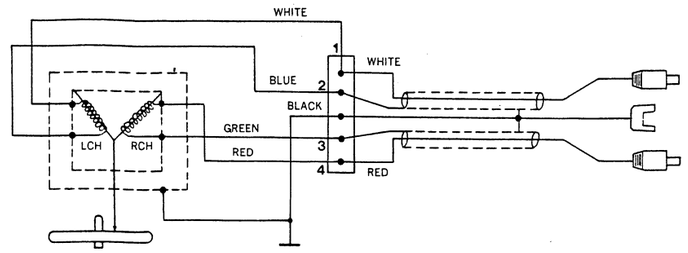

TA 7719P

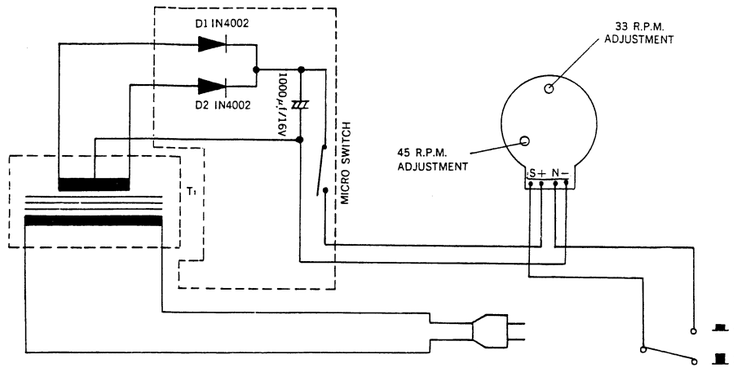



BA 681A

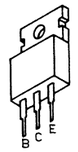



LA 3600
TA 7640AP
TA 7668BP

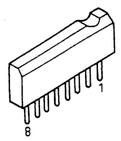


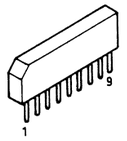

RECORD PLAYER
TOURNE - DISQUE
PLATTENSPIELER
TOCADISCOS
GIRADISCHI




TIP 42A



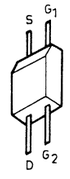

BA 328
LA 3160




BA 6144
TA 7343P

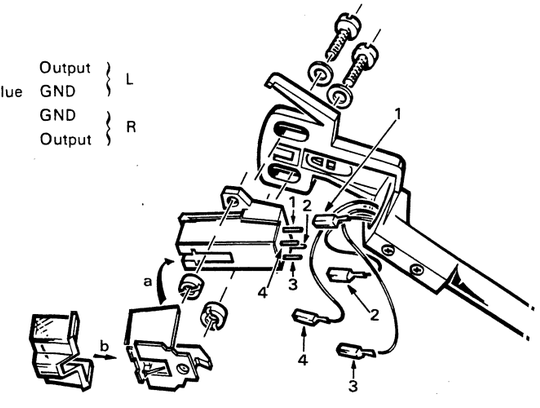
2SK83

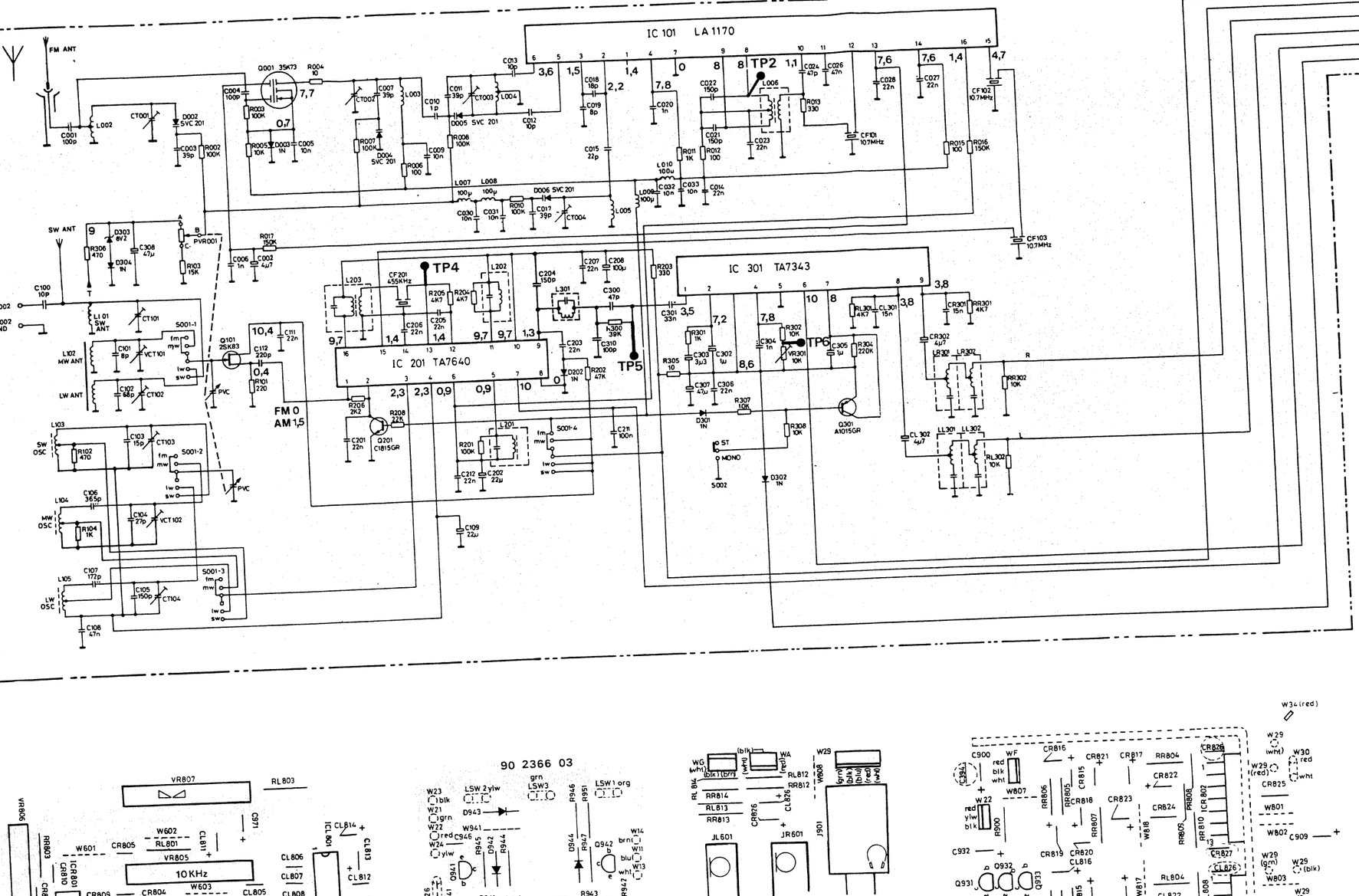
2SA950Y
2SA1015GR
2SC1815GR
2SC1959Y
2SC2236Y

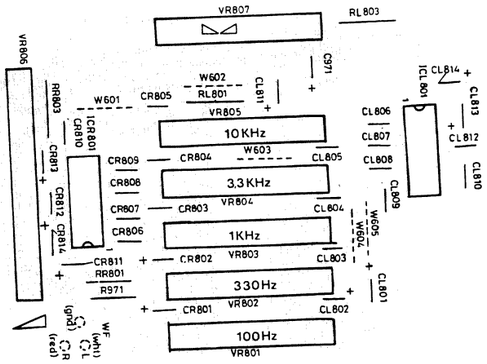



3SK73Y

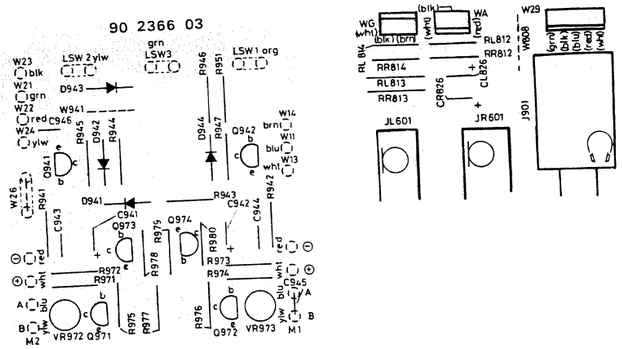
| | | |
|---|---|---|
| 1 White | Output | L |
| 2 Black or blue | GND | |
| 3 Green | GND | R |
| 4 Red | Output | |





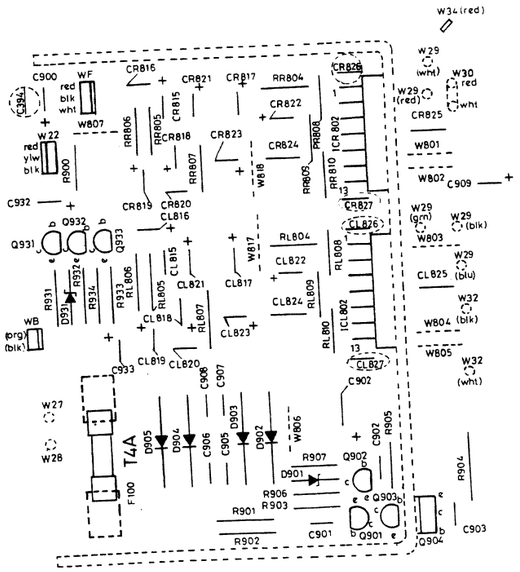

**P.C.B. tone**
**Platine tonalité**
**Ltpl. Klang**
**Platina tonalidad**
**Piastra tonalità**




**Motor regulation PCB**
**Platine regulation moteur**
**Ltpl. Motorsteuerung**
**Platina regulación motor**
**Piastra regolazione motore**




**P.C.B. Micro-jack**
**Platine prises micro**
**Ltpl. Mikrofonbuchsen**
**Platina tomas micrófono**
**Piastra prese microfoni**




**P.C.B., Power supply/amplifier**
**Platine alimentation/amplificateur**
**Ltpl. Netzteil und Endverstärker**
**Platina alimentación/amplificador**
**Piastra alimentazione/amplificatore**

TP10

TP11

1/2 IC602 TA 7719P ( DOLBY L )

1/2 IC 602 TA 7719P ( DOLBY R )

1/2 IC701 LA3160 ( phono amp L )

1/2 IC701 LA3160 ( phono amp R )

L PHONO I/P

R PHONO I/P

IC1001 BA681A

MOTOR ASSY

MAIN ASSY

POWER ASSY

SPK CONNECTOR

MIC PHONO JACK ASSY

TONE ASSY

TAPE SELECTOR

AUX CD

ML702 CD AUX I/P

ML703 LINE OUT

95.2717

95.2819

95.2818

10KHz 3,3KHz 1KHz

1/2 IC602 TA 7719P (DOLBY L)

1/2 IC 602 TA 7719P (DOLBY R)

1/2 IC701 LA3160 ( phono amp L )

1/2 IC701 LA3160 ( phono amp R )

L PHONO I/P

R PHONO I/P

IC1001 BA681A

IC 1002 BA681A

MOTOR ASSY

TP10

TP11

TP15

95.2717

95.2819

95.2818

POWER ASSY

SPK CONNECTOR

MIC PHONO JACK ASSY

MAIN ASSY

TONE ASSY

10KHz 3,3KHz 1KHz 330Hz 100Hz

5X100KB 5X100KB

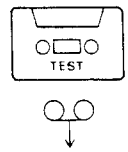
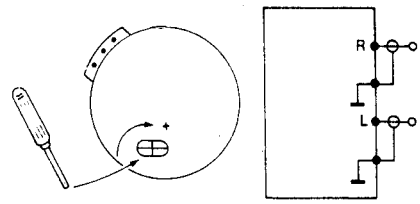
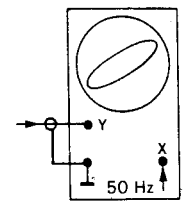
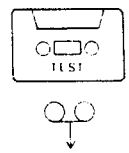
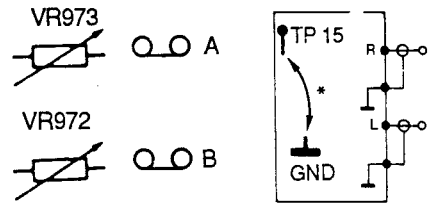
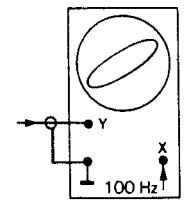
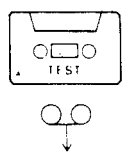
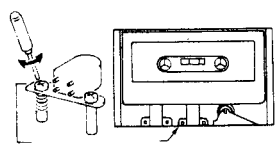
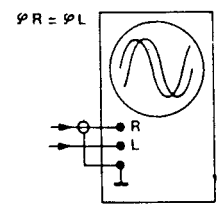
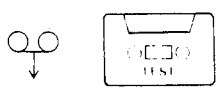
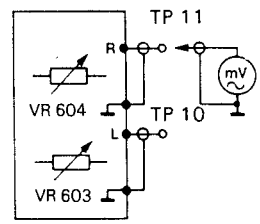
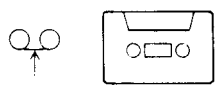
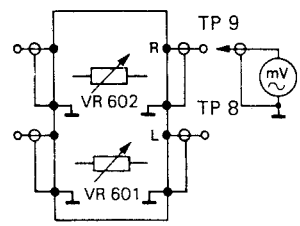
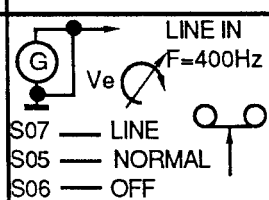
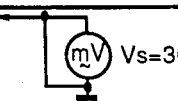
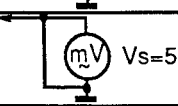
IC L 801 LA3600

IC R 801 LA3600

TDA 1515A

F100 M30 T4A

FUSE T630MA

| ADSJUSTMENTS | REGLAGES | EINSTELLUNGEN | AJUSTES | REGOLAZIONE |
|---|---|---|---|---|
| 1<br>Tape tension<br>Tension de bande<br>Bandzug<br>Tensión de la cinta<br>Tensione del nastro | | | | «⟶▷»<br>40 g/cm < M < 60 g/cm<br>«◁◁»«▷▷»<br>80g/cm <M< 150g/cm |
| 2<br>Tape speed<br>Vitesse de défilement<br>Bandgeschwindigkeit<br>Velocidad de la cinta<br>Velocità del nastro<br>**4,75 cm/s** |  <br>f = 50 Hz |  | |  |
| 3<br>Tape speed<br>Vitesse de défilement<br>Bandgeschwindigkeit<br>Velocidad de la cinta<br>Velocità del nastro<br>**9,5 cm/s** * |  <br>f = 50 Hz |  <br>*short-circuit.court-circuiter.kurzschliessen | |  |
| 4<br>Azimuth adjustment<br>Réglage d'azimut<br>Tonkopfeinstellung<br>Ajuste de azimut<br>Regolazione di azimut |  <br>f = 6,3 kHz |  | |  |
| 5<br>Playback sensitivity<br>Gain en lecture<br>Wiedergabeempfindlichkeit<br>Ganancia en reproducción<br>Sensibilità di riproduzione<br>B |  <br>OdB<br>400Hz |  | | V = 300 mV ± 10 mV |
| 6<br>Bias adjustment<br>Courant de prémagnétisation<br>Vormagnetisierung<br>Corriente de premagnetización<br>Corrente di premagnetizzazione<br>B |  |  | | V = 5,4 mV ± 0,2 mV<br>F = 55 kHz ± 3 kHz |
| 7<br>Record sensitivity<br>Gain en enregistrement<br>Aufnahmeempfindlichkeit<br>Ganancia en grabación<br>Sensibilità registrazione<br>B |  | ① Ve ⟹ TP10 (L) / TP11 (R) | |  |
| | | ② VR605(L) / VR606(R) ⟹ TP12 (L) / TP13 (R) | |  |
| | | ③ TP10 (L) — TP11 (R) | Vs =300mV +20mV -10mV | |
| | If-Si-Wenn Vs > 320 mV | Reduce-Dimin.-AbschwächenVR606-605 | Then repeat / Puis repeter / Anschliessend / Wiederholen ②-③ | |
| | If-Si-Wenn Vs < 290 mV | Increase-Augmenter-ErhöhenVR606-605 | | |